

ABSTRACT OF THE DISCLOSURE

[0155] A human prostatic specific reductase polypeptide and polynucleotides encoding such polypeptide and a procedure for producing such polypeptide by recombinant techniques is disclosed. Also disclosed are methods for utilizing such polynucleotides as a diagnostic marker for prostate cancer and as an agent to determine if the prostate cancer has metastasized. Also disclosed are antibodies specific to the prostatic specific reductase polypeptide which may be used to target prostate cancer cells and be used as part of a prostate cancer vaccine. Methods of screening for agonists and antagonists for the polypeptide and therapeutic uses of the antagonists are also disclosed.

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